

Fig. 1

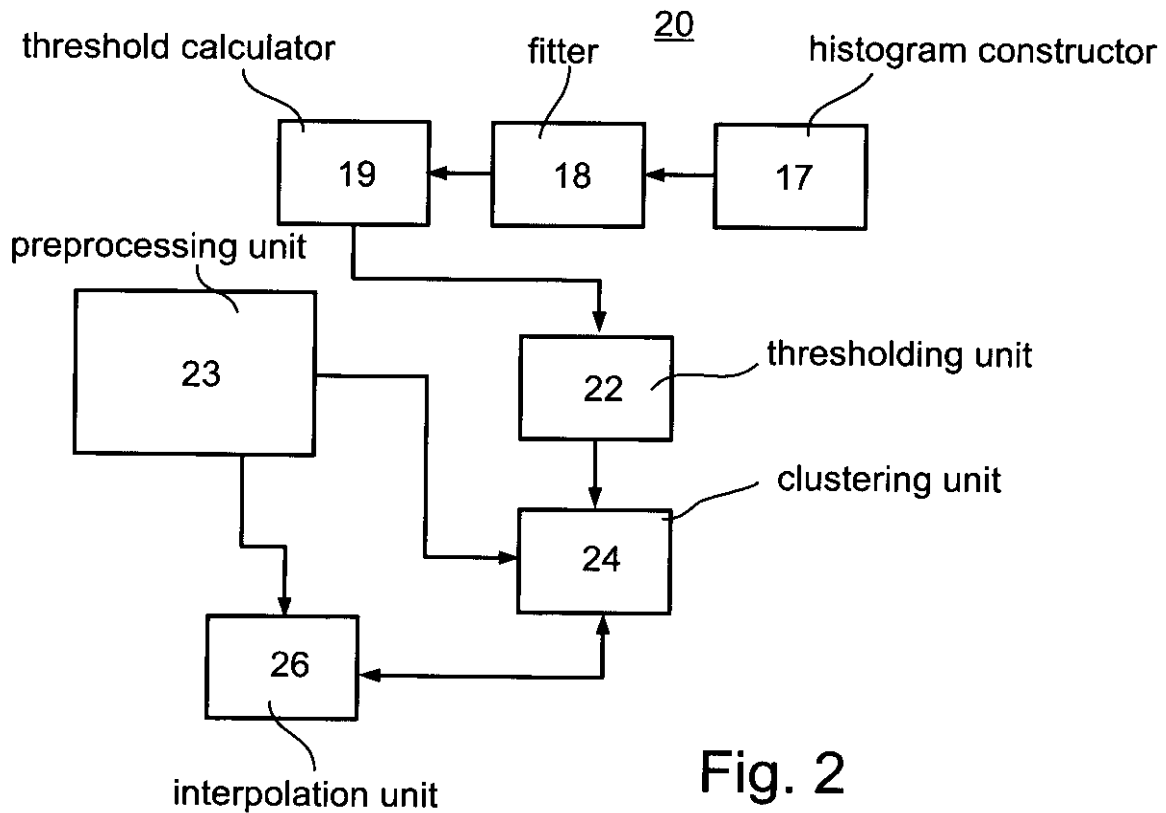


Fig. 2

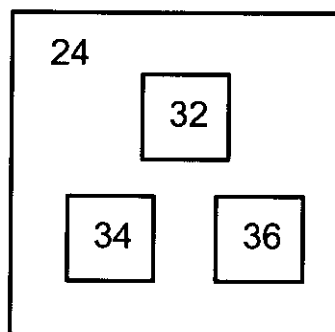


Fig. 3

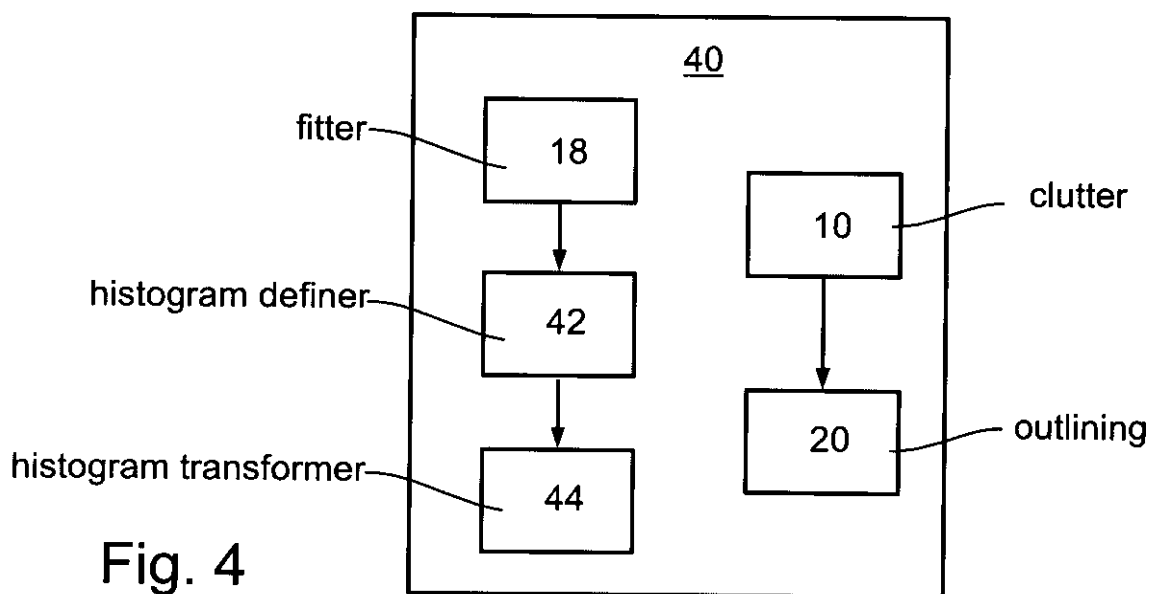


Fig. 4

Histogram manipulation ($Pd1=0.823, Pd2=0.689, Pfa1=0.076, Pfa2=0.039$)

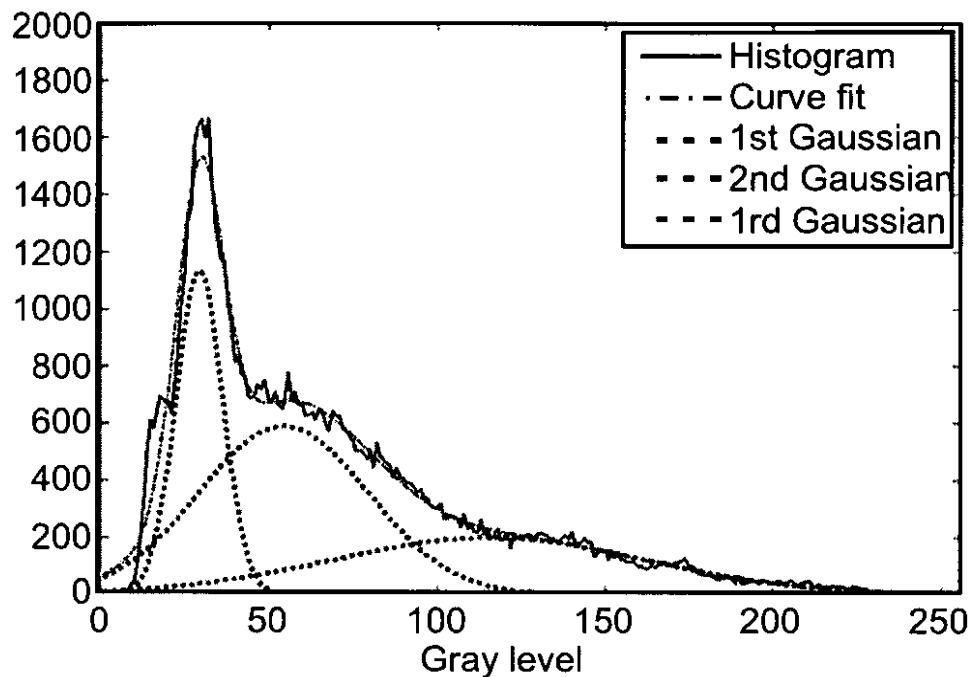


Fig. 5

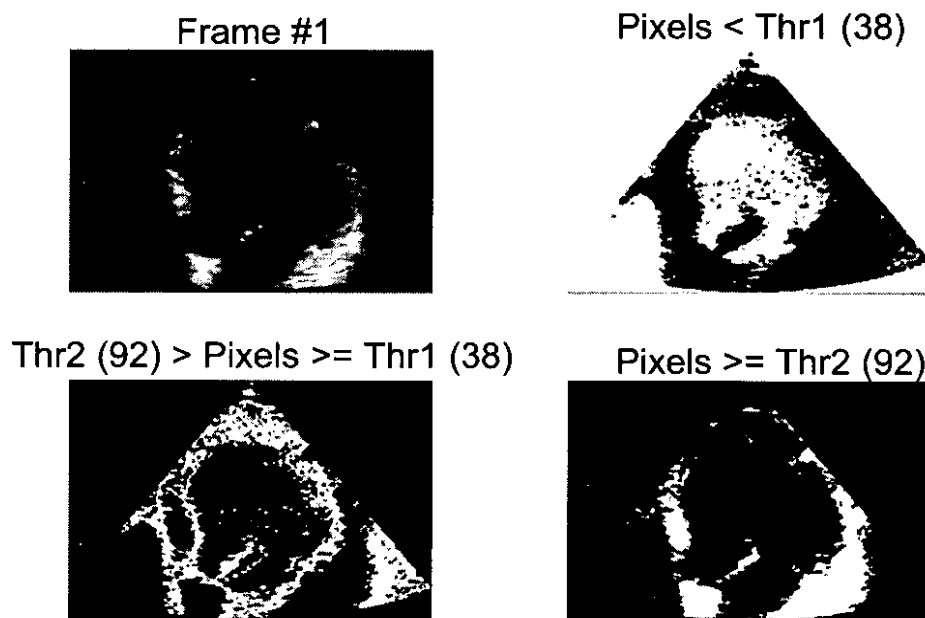


Fig. 6

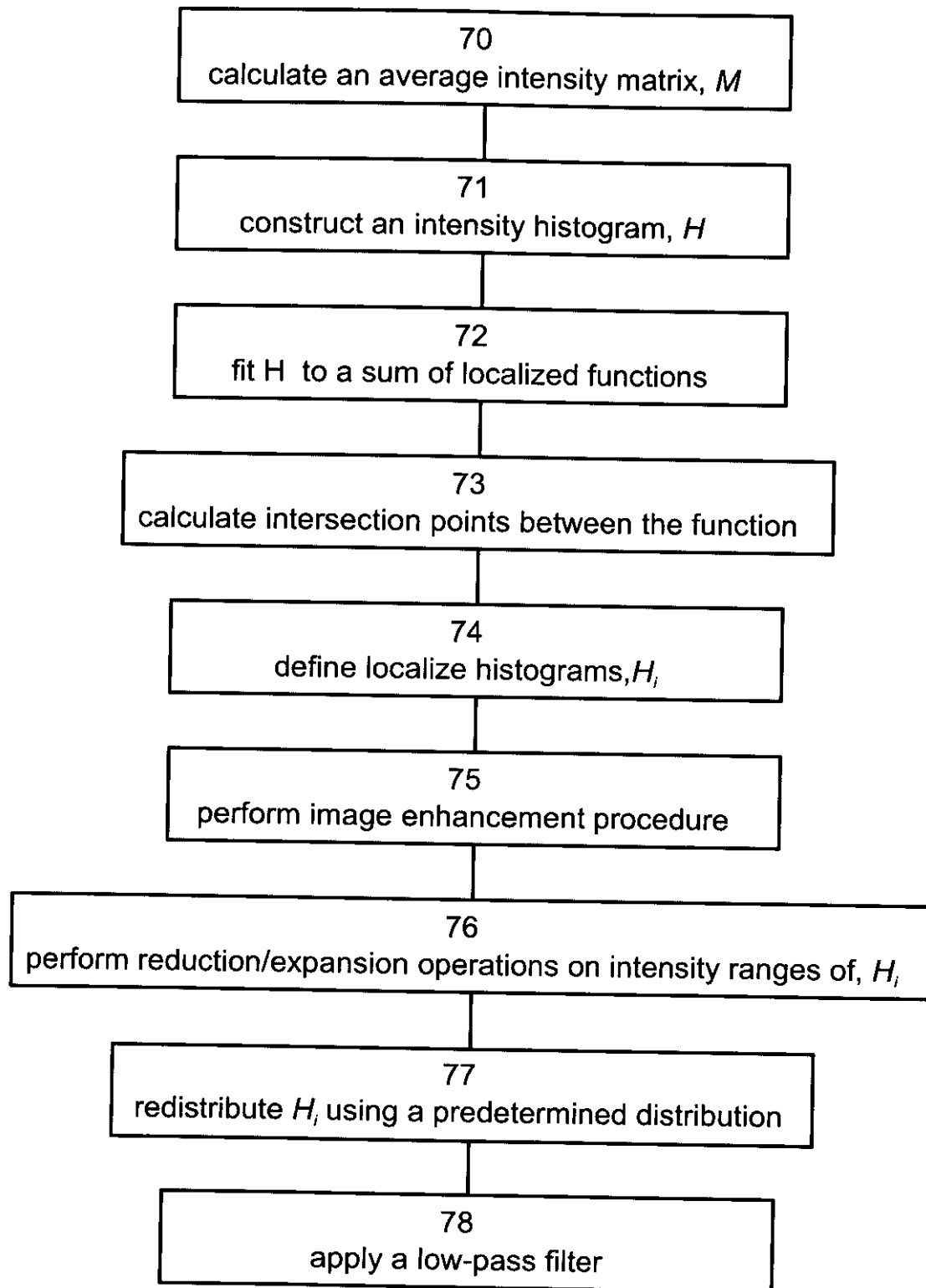


Fig. 7

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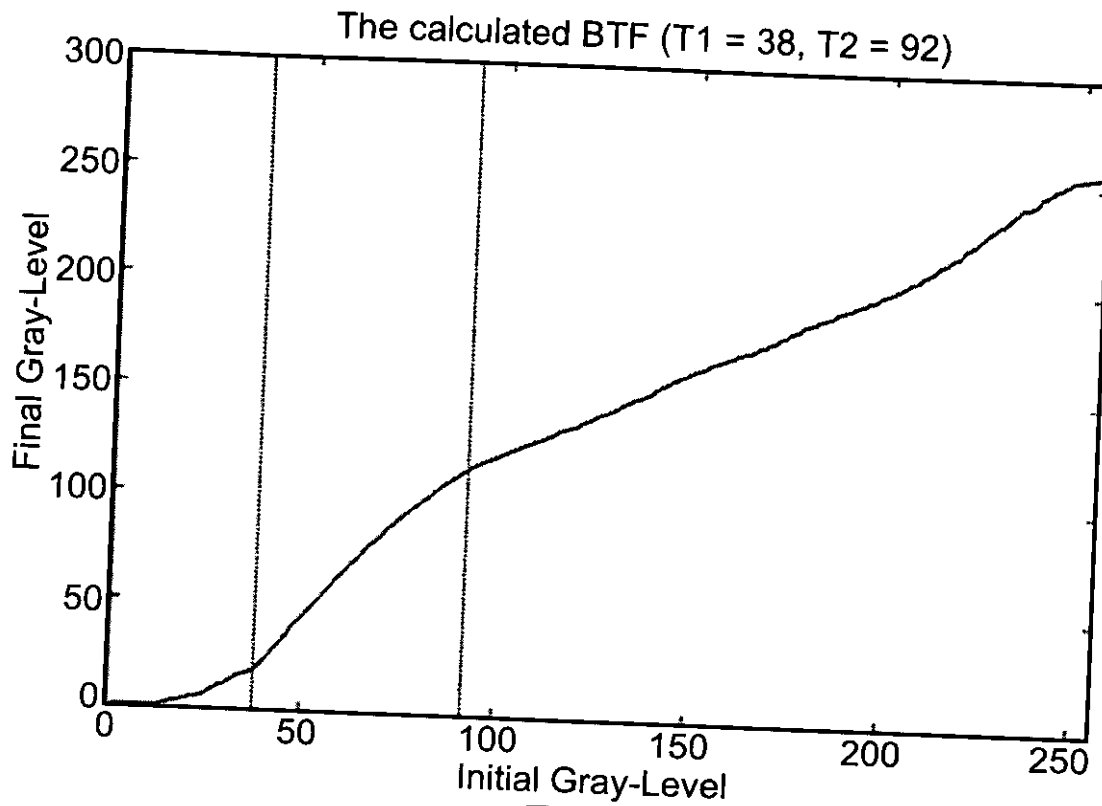


Fig. 8

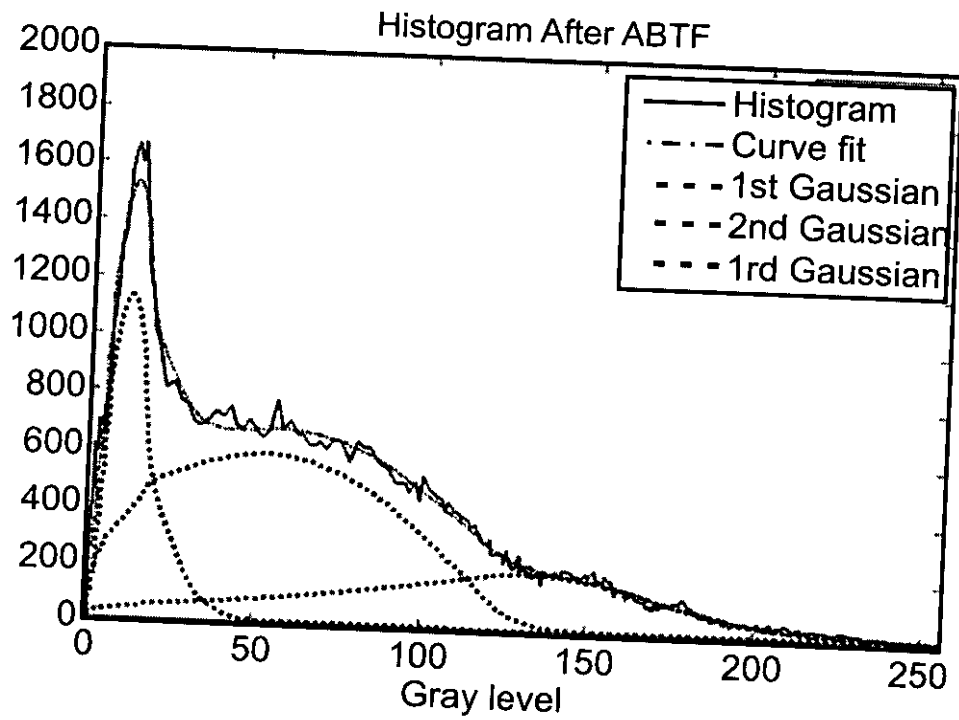


Fig. 9



Fig. 10a



Fig. 10d

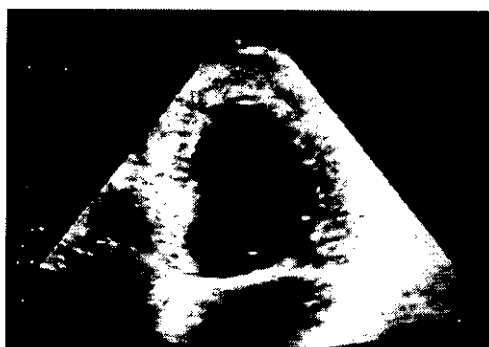


Fig. 10b



Fig. 10e



Fig. 10c



Fig. 10f

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Case #1 Histogram manipulation ($Pd1=0.823, Pd2=0.689, Pfa1=0.076, Pfa2=0.039$)

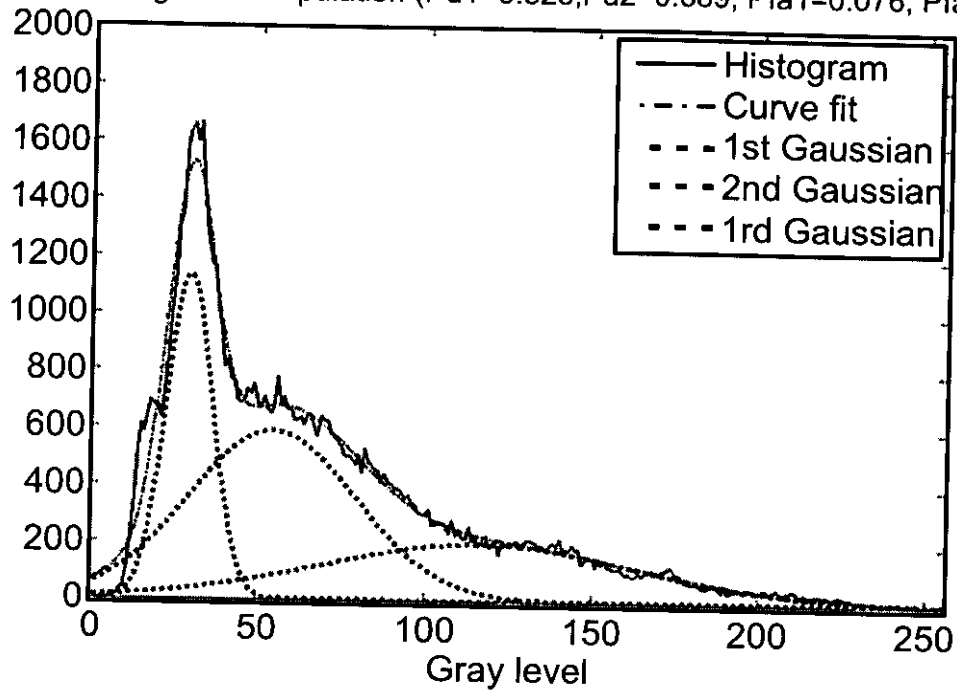


Fig. 11

Case #1, The calculated BTF ($T1 = 38, T2 = 92$)

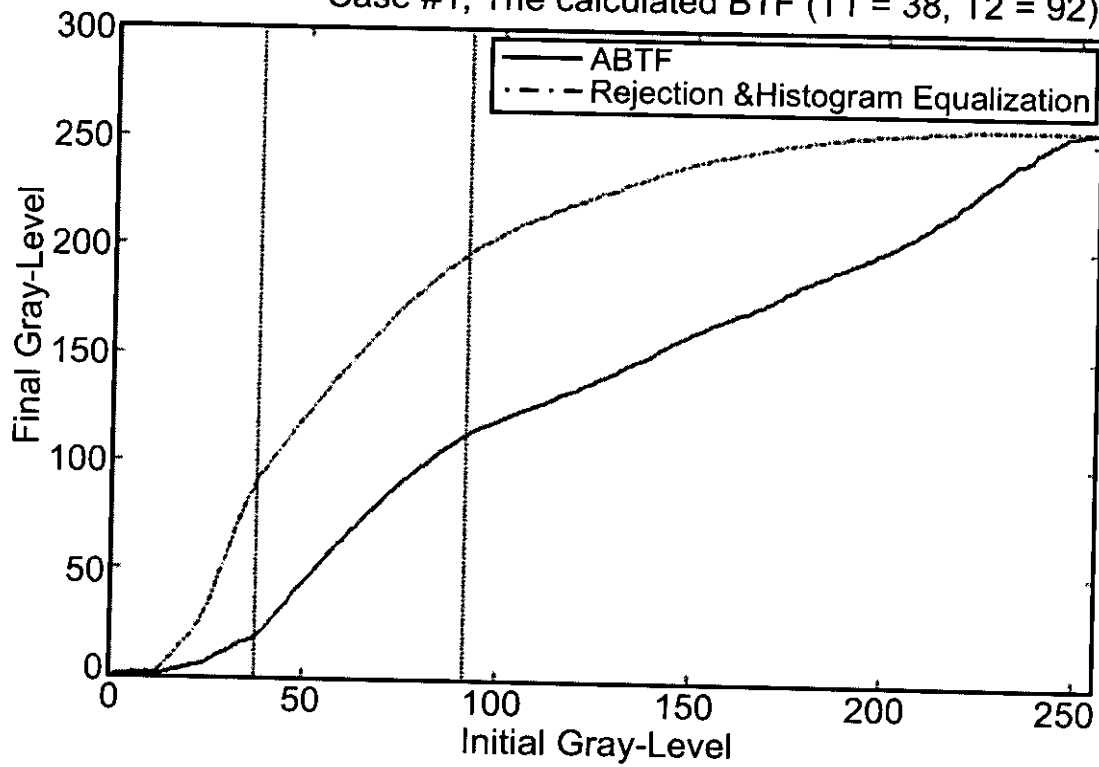


Fig. 12



Fig. 13a



Fig. 13d

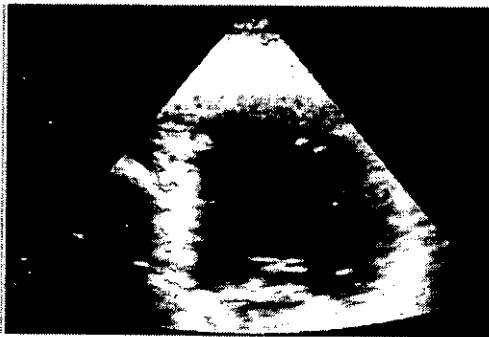


Fig. 13b

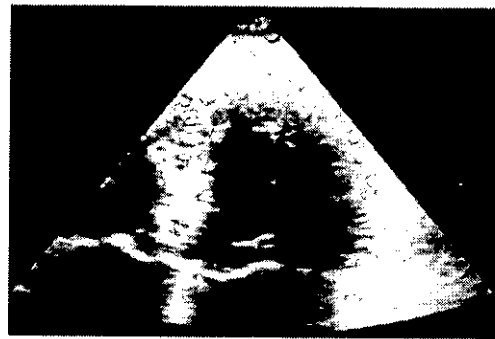


Fig. 13e



Fig. 13c



Fig. 13f

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Case #15 Histogram manipulation ($Pd1=0.856, Pd2=0.776, Pfa1=0.190, Pfa2=0.048$)

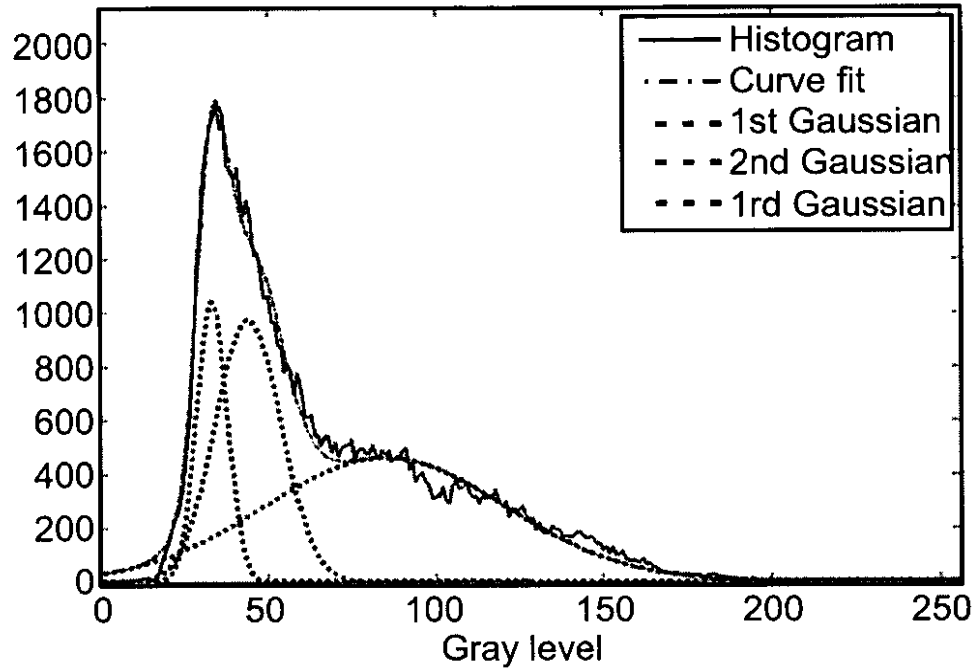


Fig. 14

Case #15, The calculated BTF ($T1 = 36, T2 = 57$)

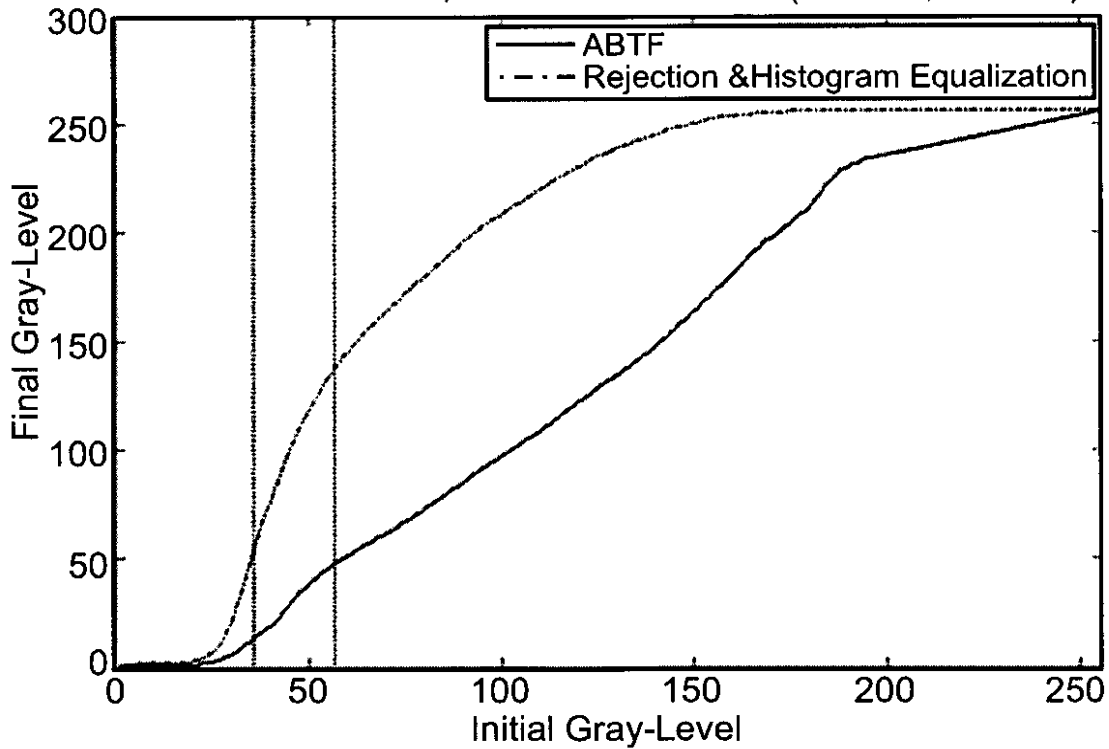


Fig. 15

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Fig. 16a

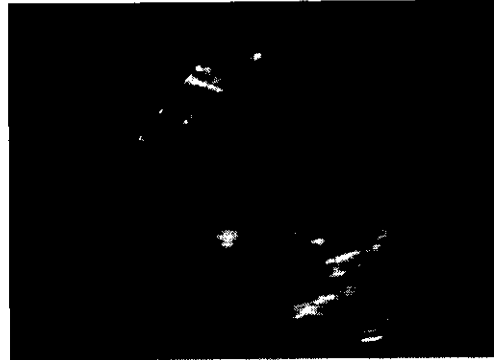


Fig. 16d



Fig. 16b



Fig. 16e



Fig. 16c



Fig. 16f

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Case #21 Histogram manipulation ($Pd1=0.905$, $Pd2=0.847$, $Pfa1=0.120$, $Pfa2=0.024$)

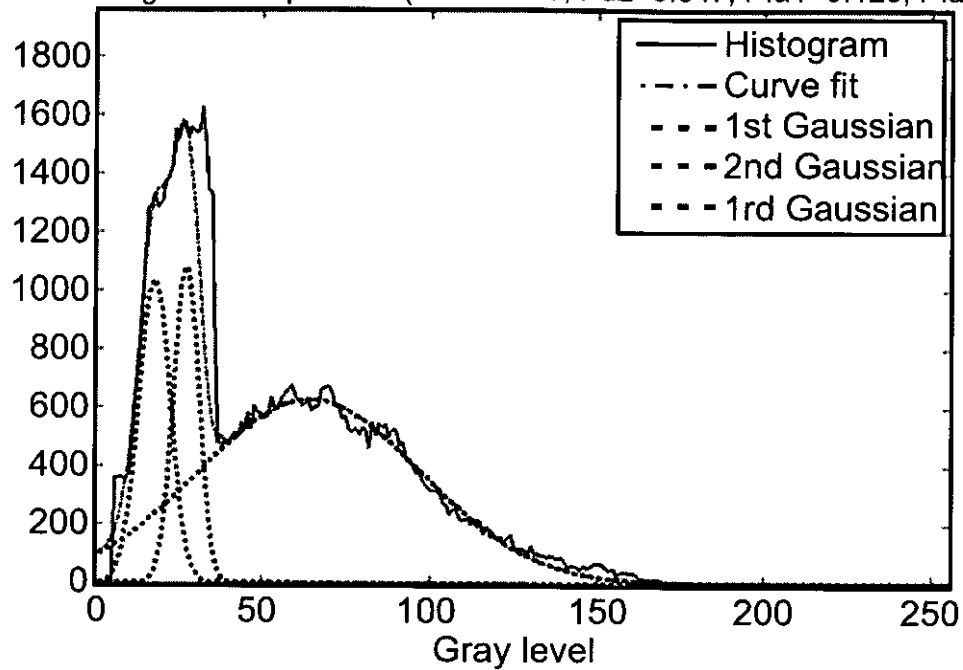


Fig. 17

Case #21, The calculated BTF ($T1 = 22$, $T2 = 32$)

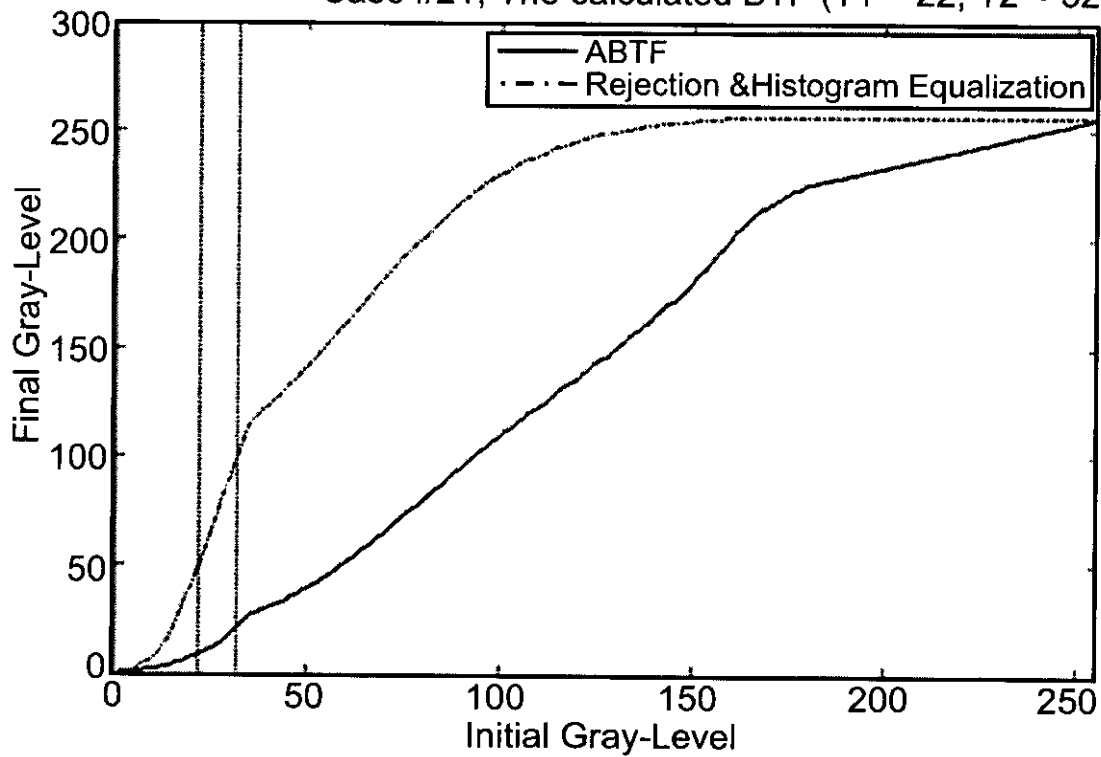


Fig. 18

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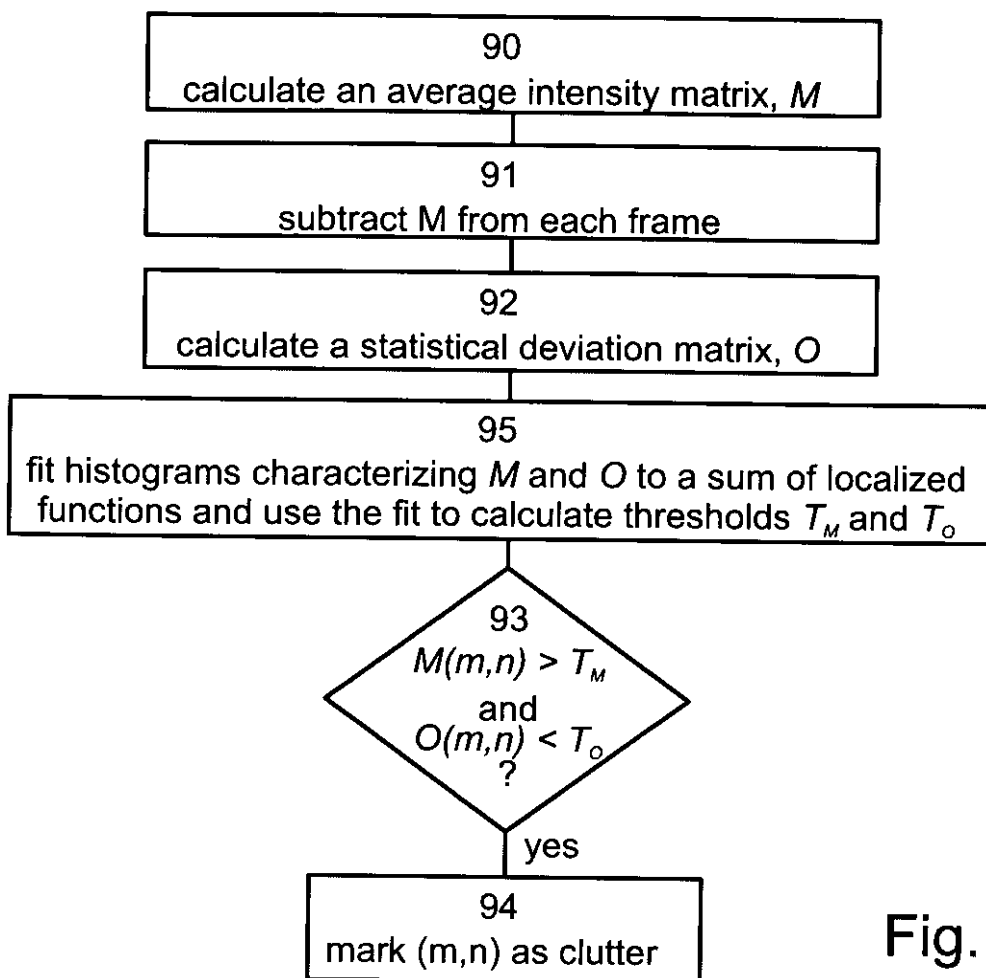


Fig. 19

Case #1 - $M(m,n)$

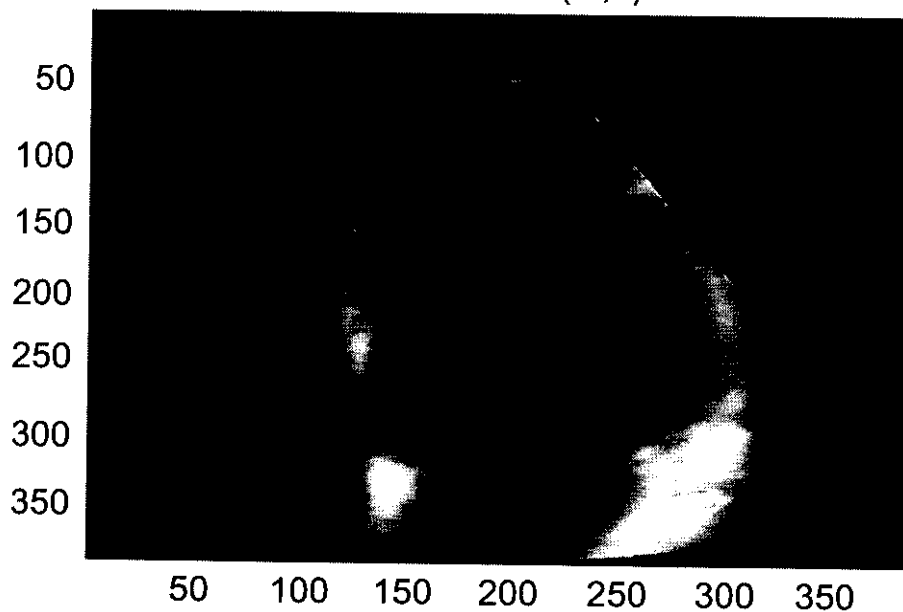


Fig. 20

Case #1 - Frame #1, Before CR

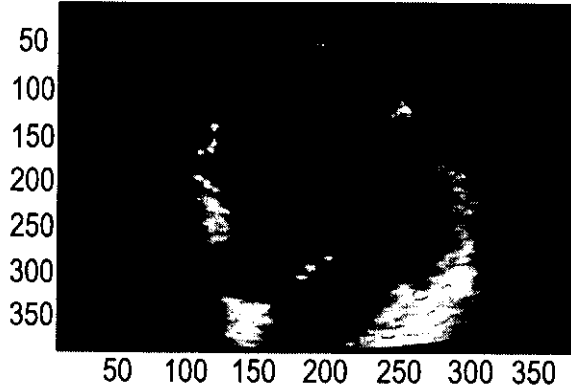


Fig. 21a

Case #1 - Frame #1, After CR

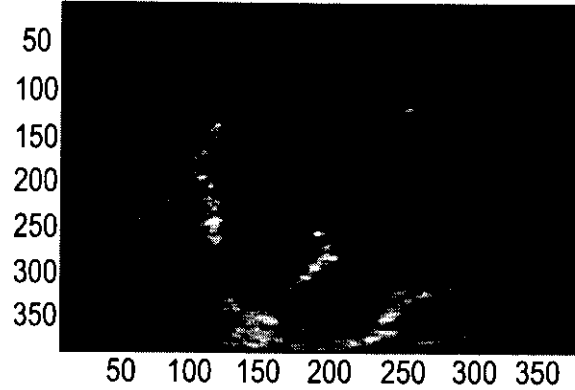


Fig. 21d

Case #1 - Frame #2, Before CR

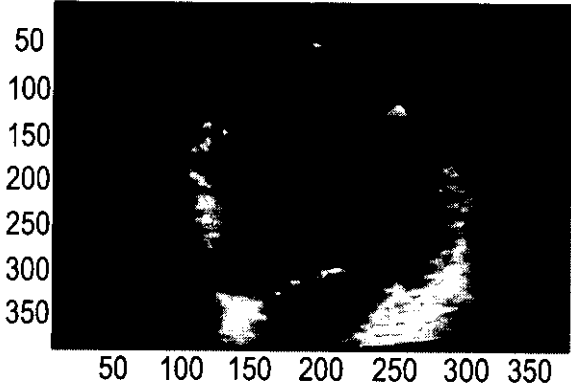


Fig. 21b

Case #1 - Frame #2, After CR

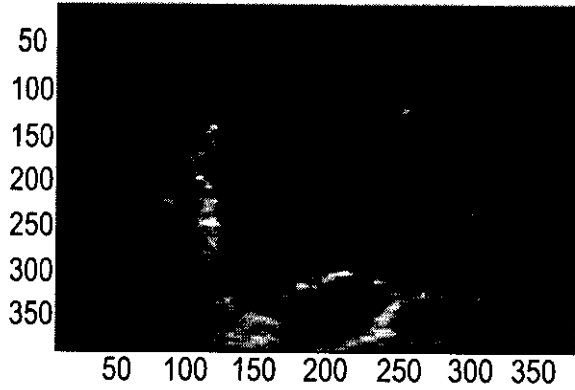


Fig. 21e

Case #1 - Frame #3, Before CR

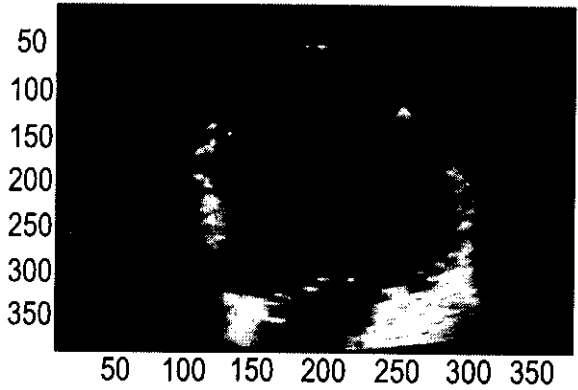


Fig. 21c

Case #1 - Frame #3, After CR

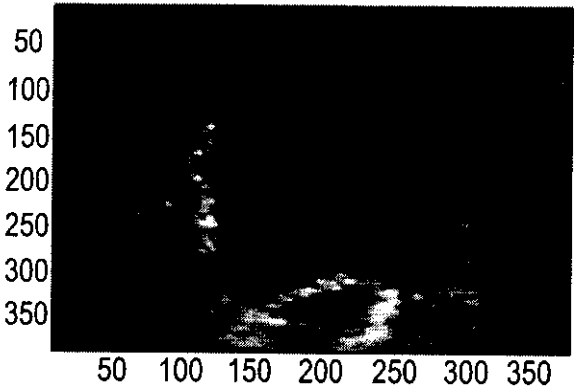


Fig. 21f

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Case #1 - The End-Diastolic Frame

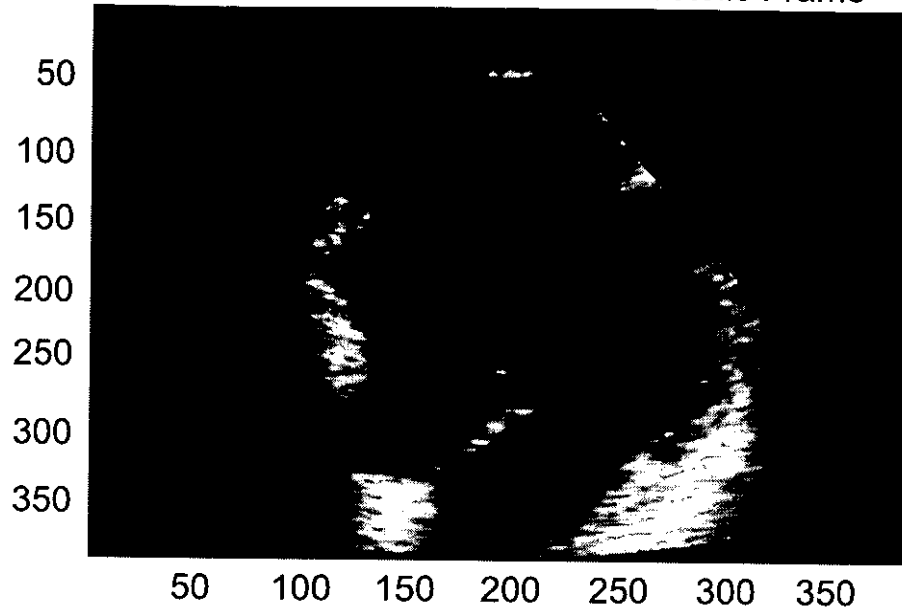


Fig. 22

Case #1 - $M(m,n)$

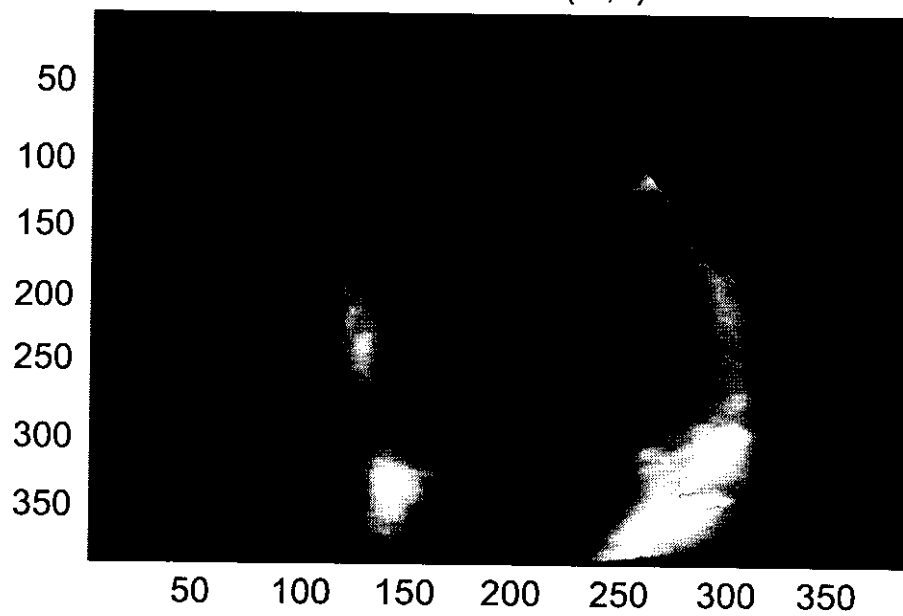


Fig. 23

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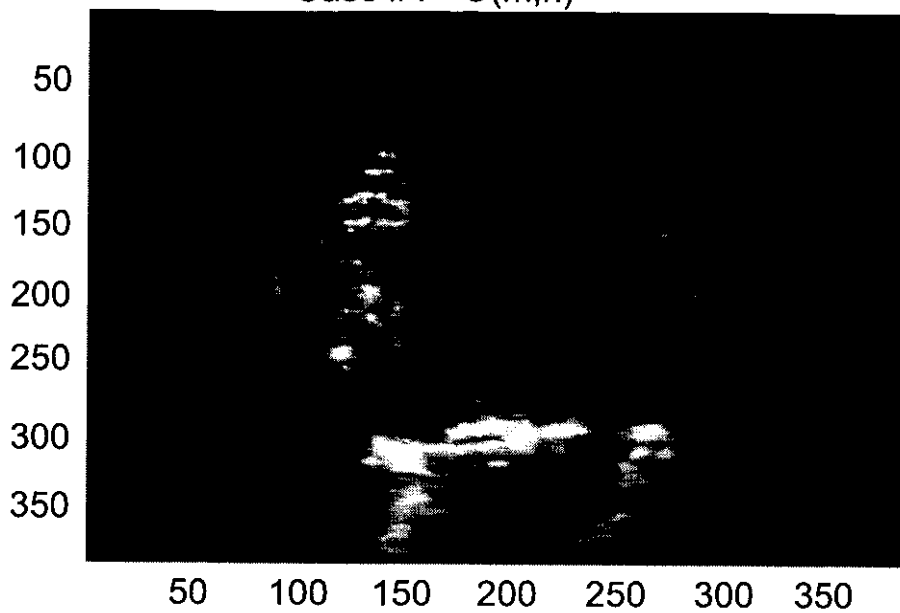
Case #1 - $O(m,n)$ 

Fig. 24

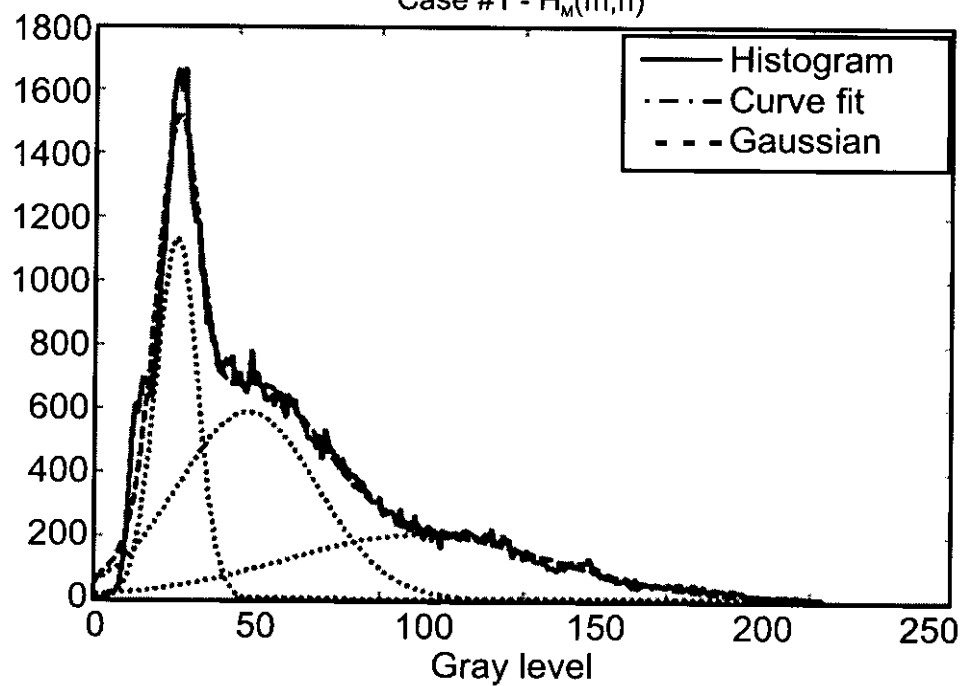
Case #1 - $H_M(m,n)$ 

Fig. 25

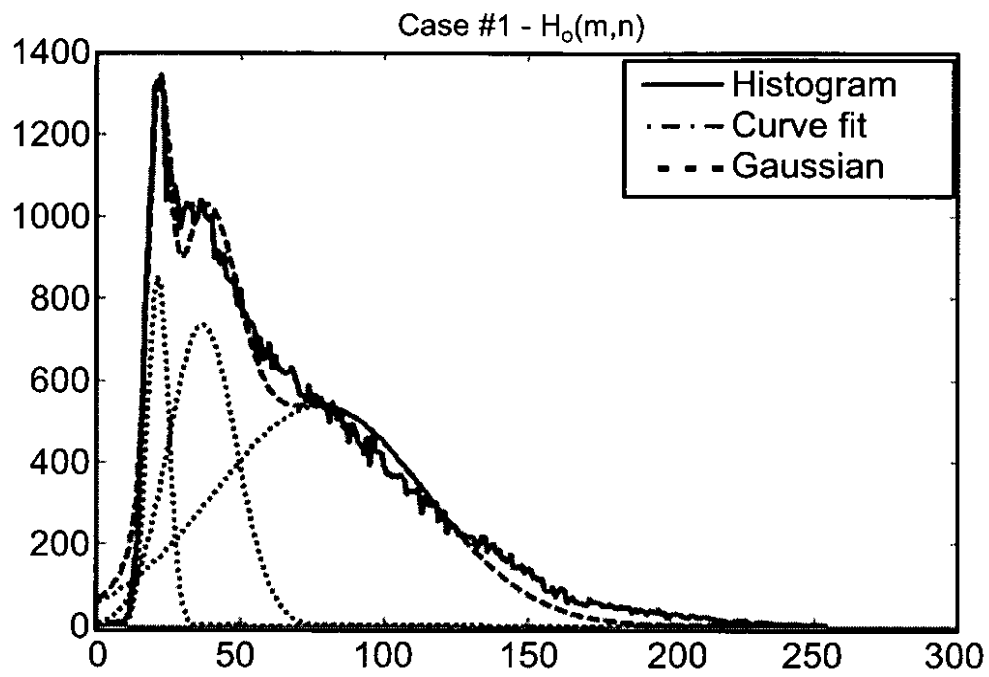


Fig. 26

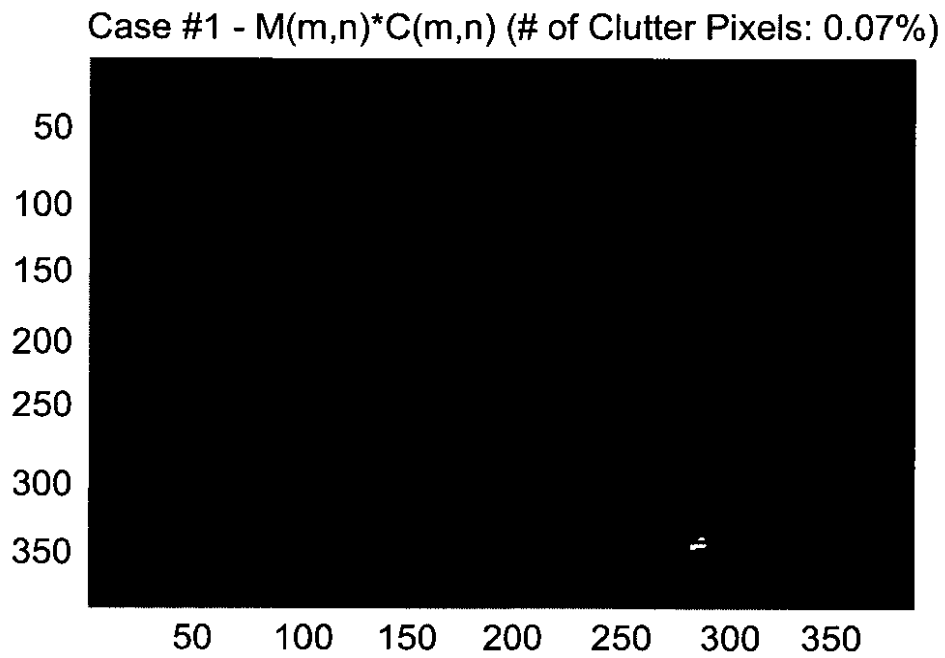


Fig. 27

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Case #2 - The End-Diastolic Frame

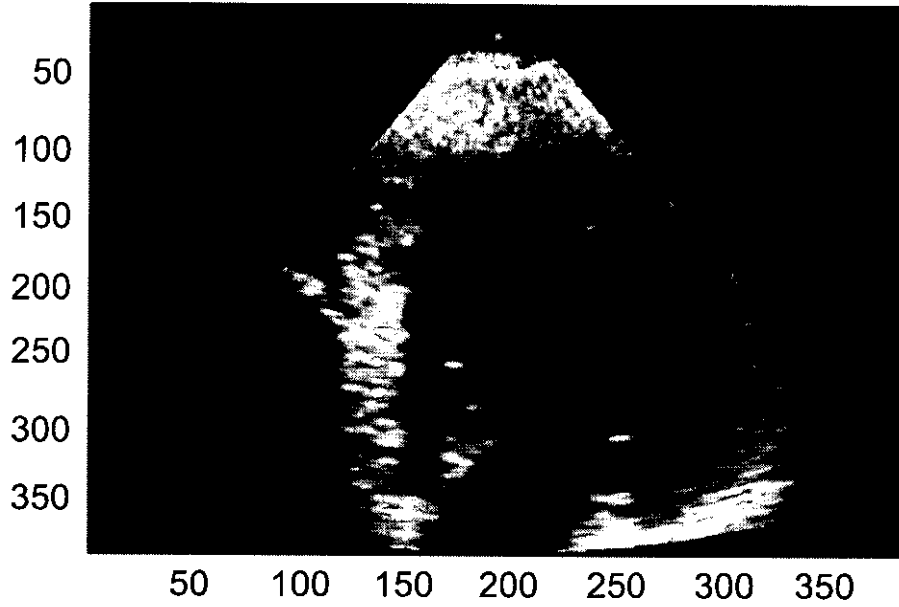


Fig. 28

Case #2 - $M(m,n)$

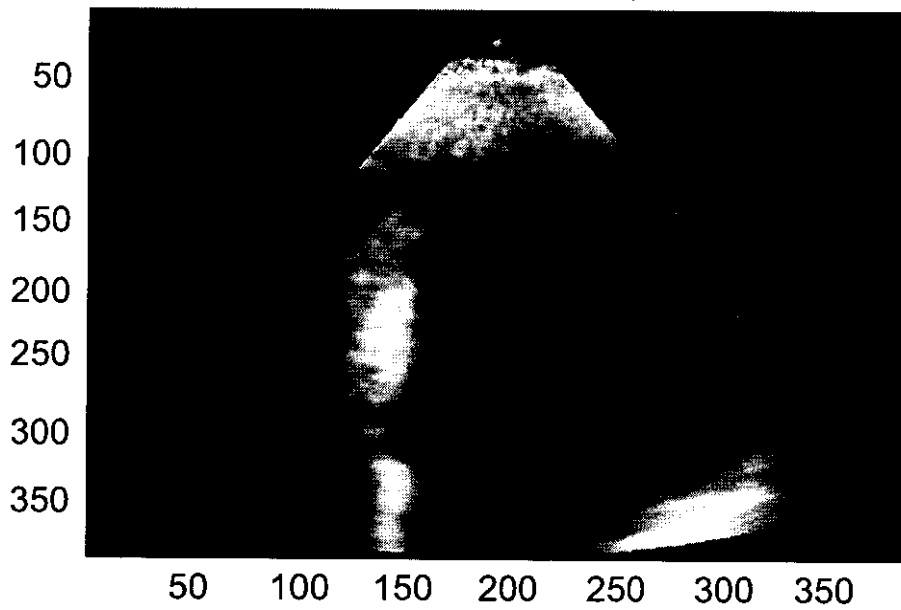


Fig. 29

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Case #2 - $O(m,n)$

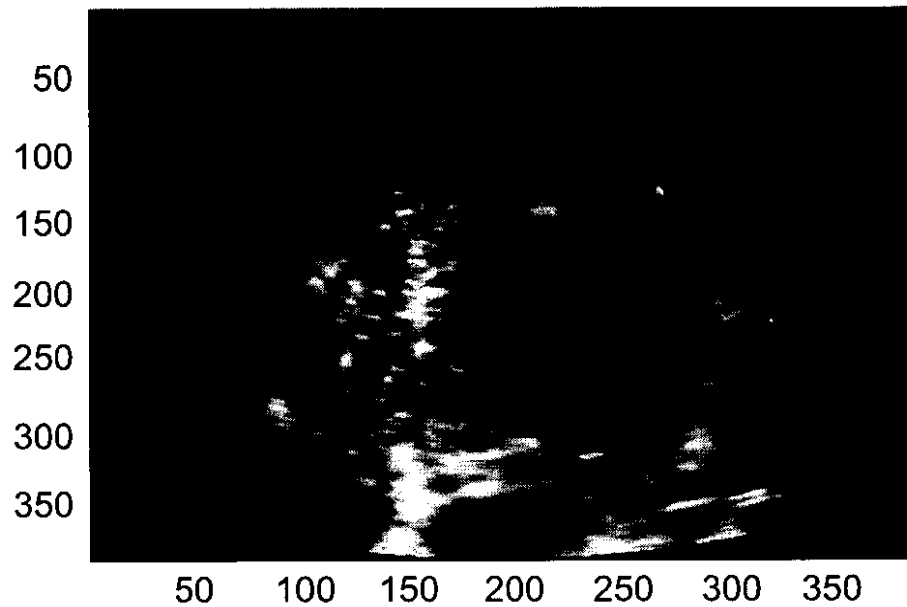


Fig. 30

Case #2 - $H_m(m,n)$

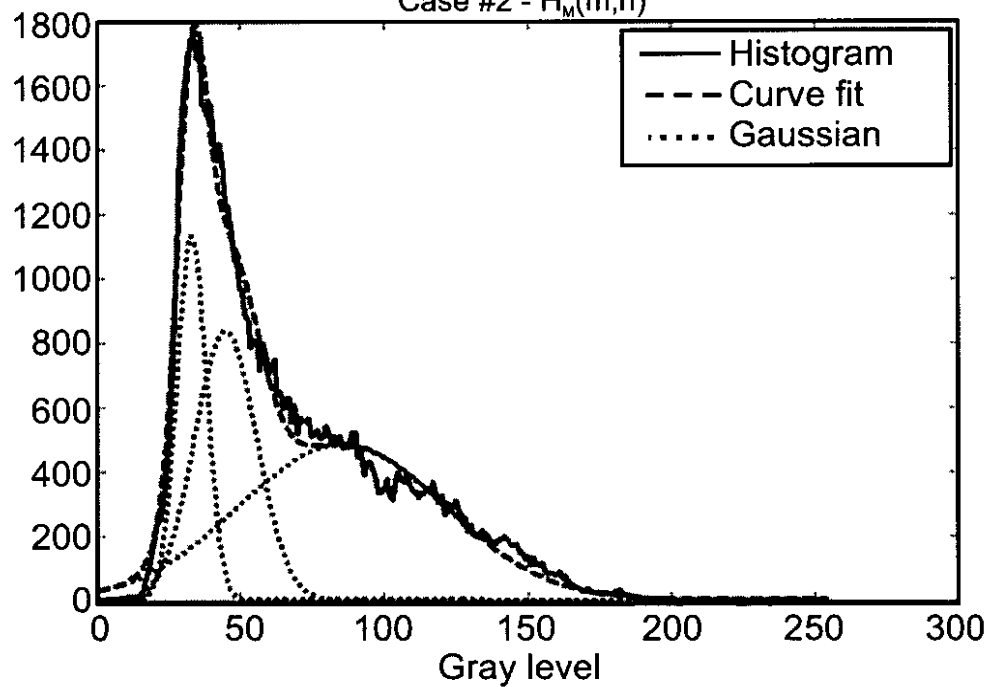


Fig. 31

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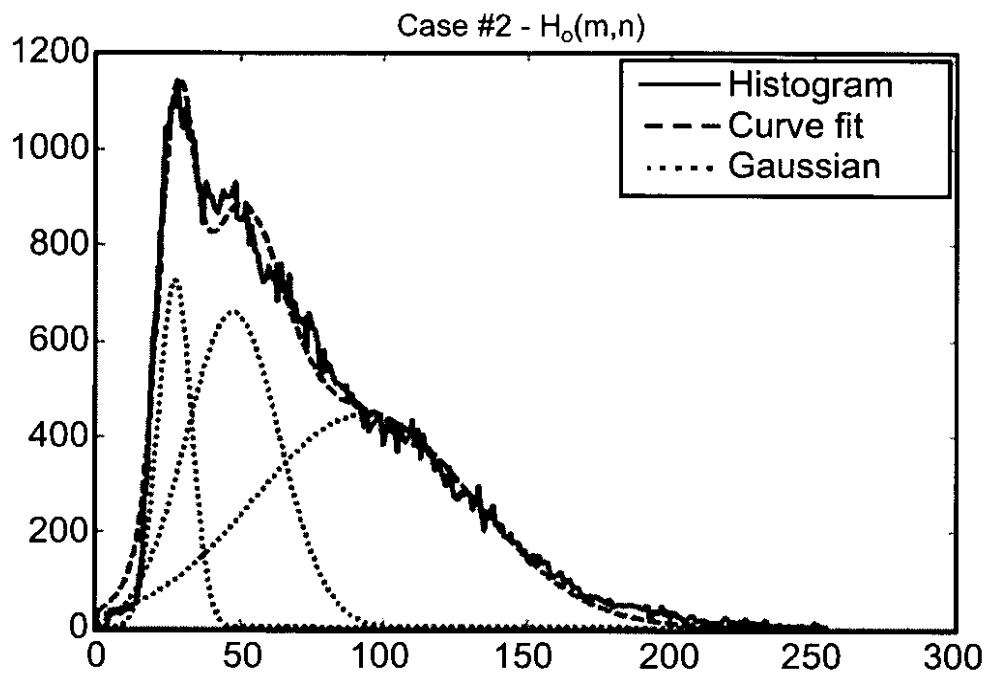


Fig. 32

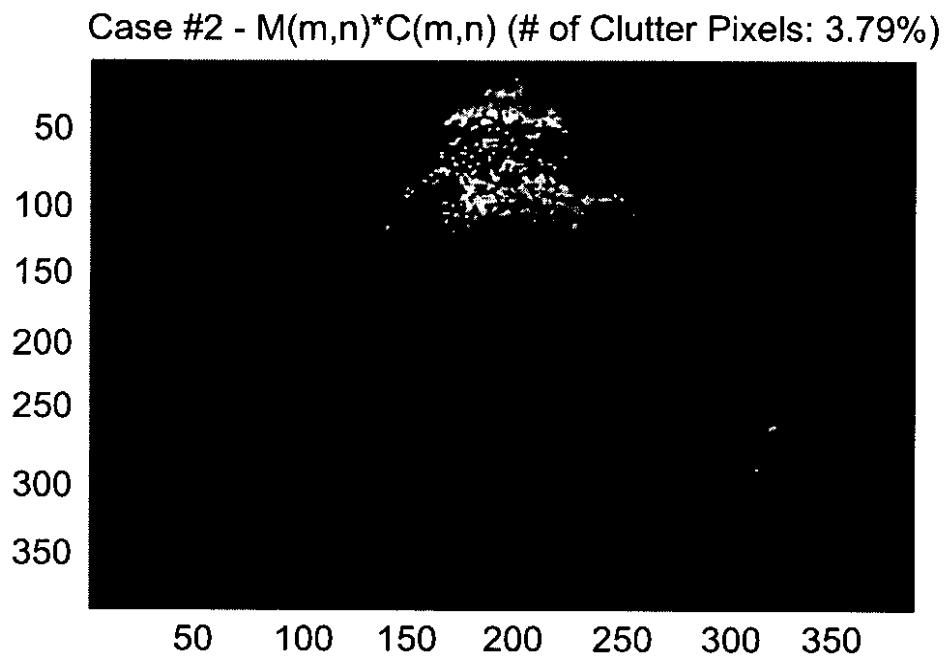


Fig. 33

Case #13 - The End-Diastolic Frame

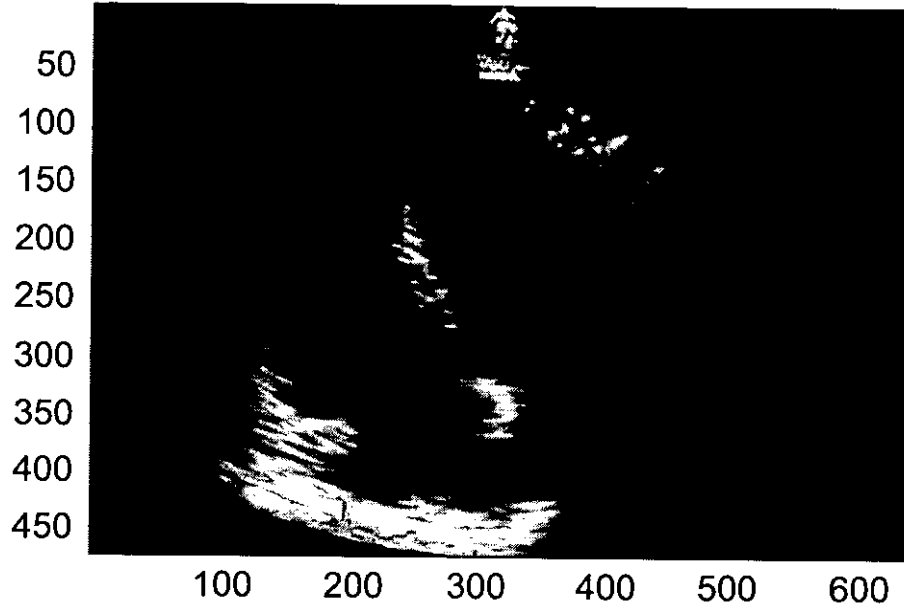


Fig. 34

Case #13 - $M(m,n)$

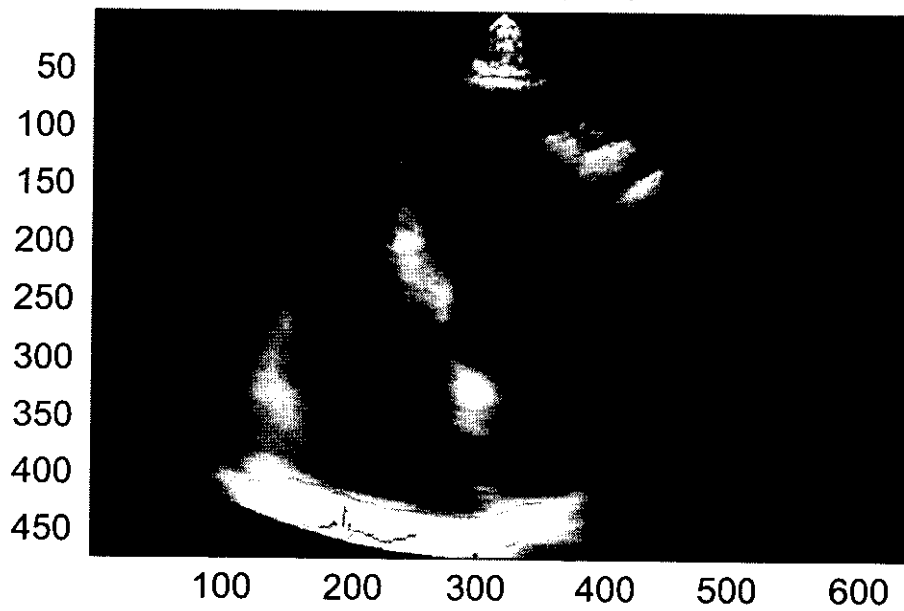


Fig. 35

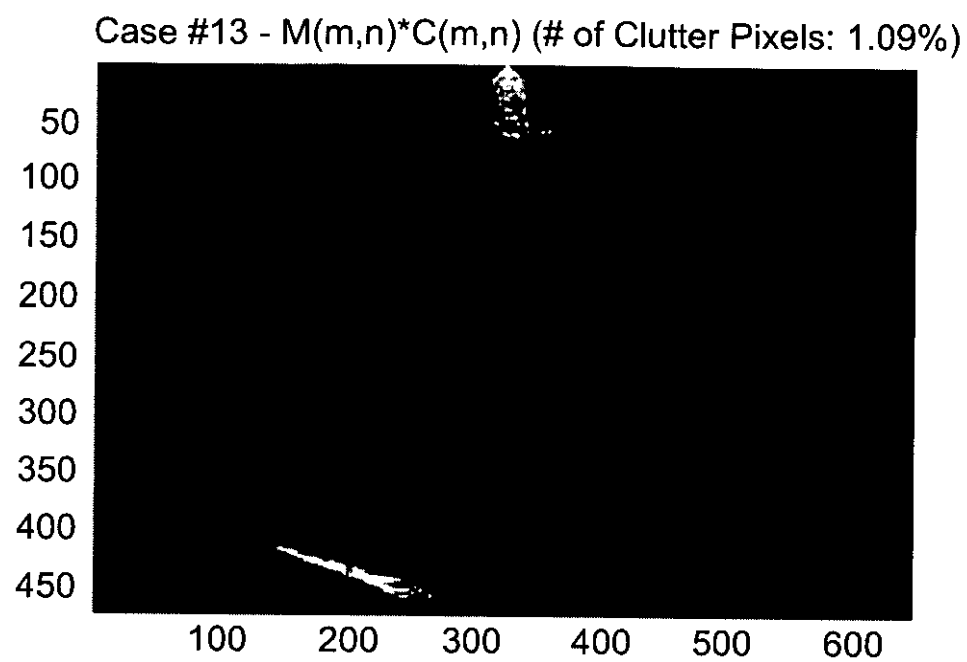


Fig. 36

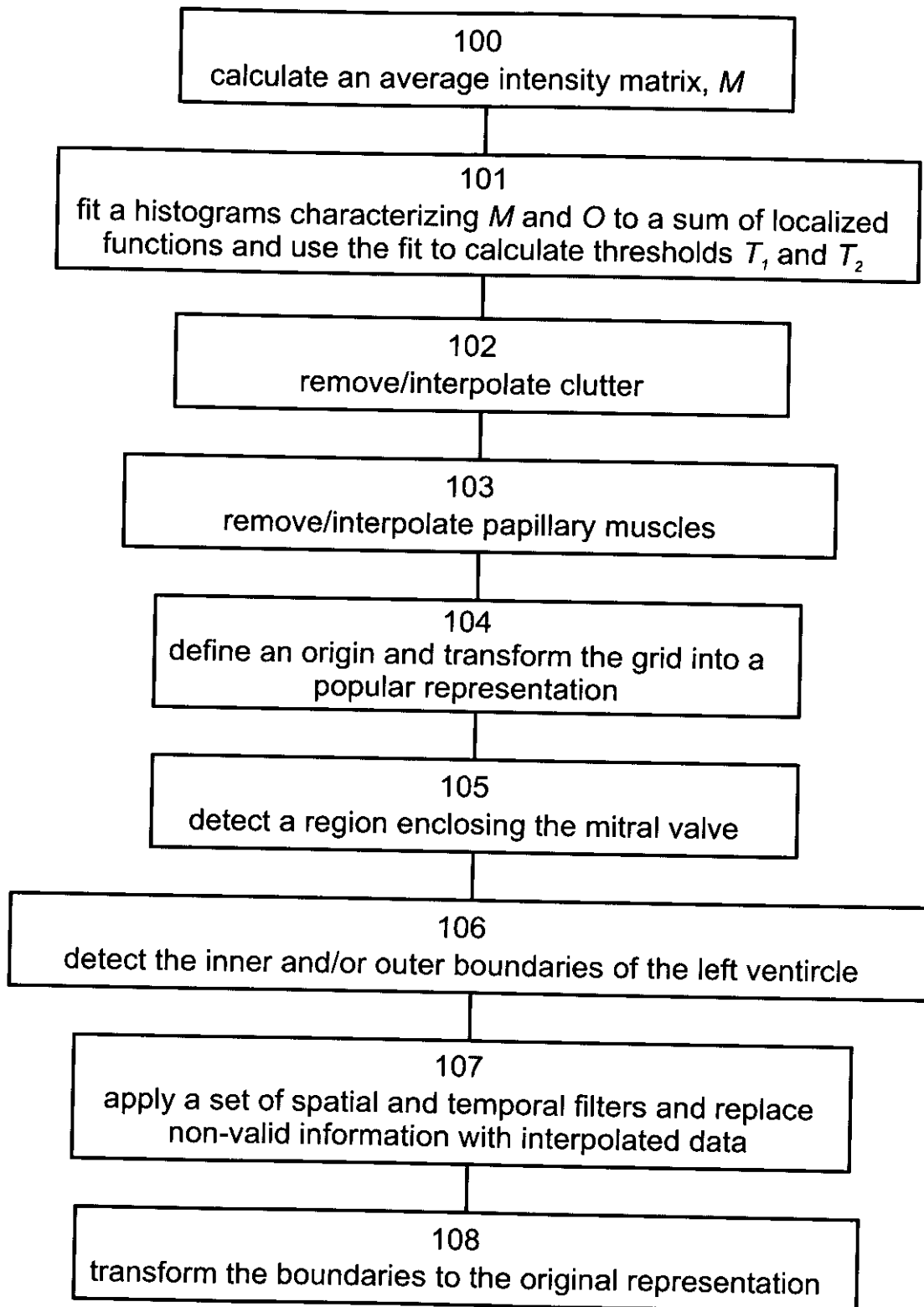


Fig. 37

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$M(m,n) > T_1$

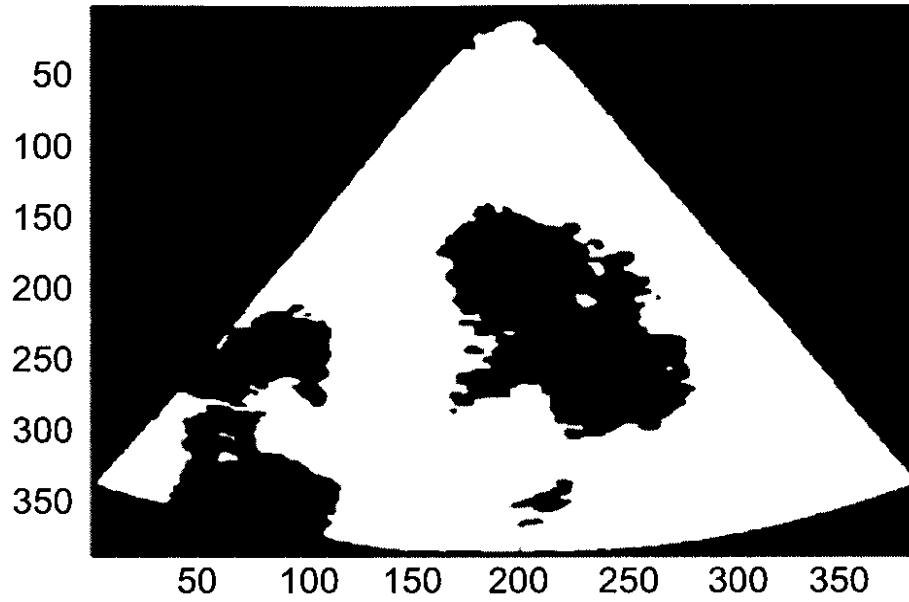


Fig. 38a

$M(m,n) > T_2$

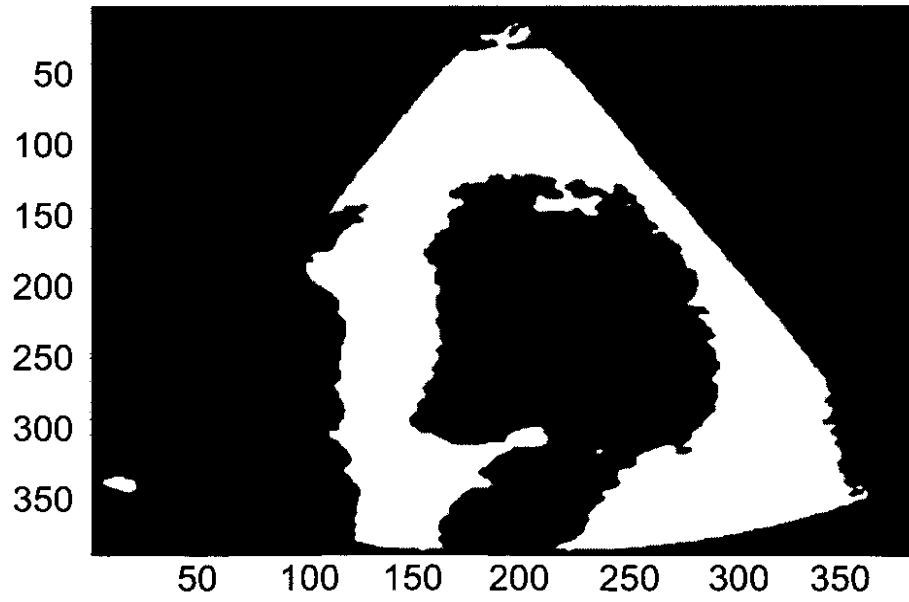


Fig. 38b

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$P(m,n)$

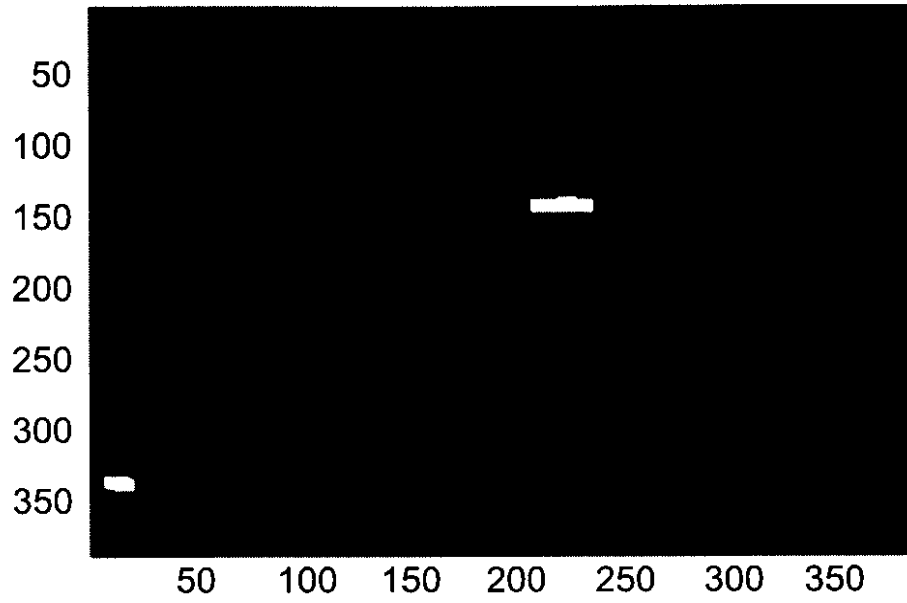


Fig. 39

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M(m,n)



Fig. 40a

Mitral Valve - R01

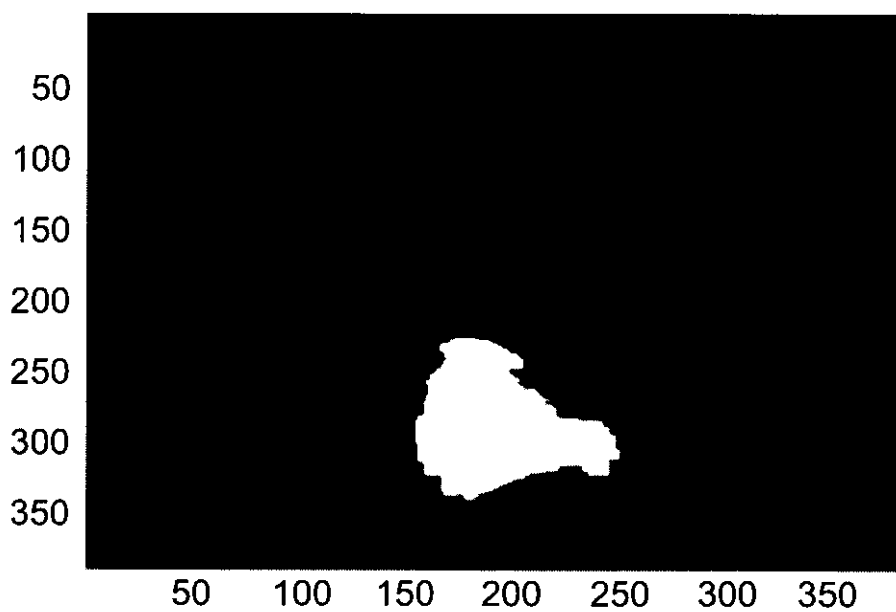


Fig. 40b

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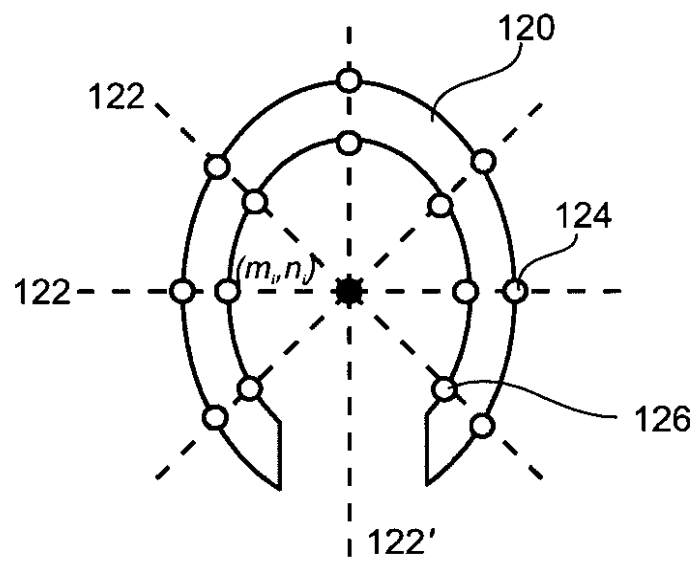


Fig. 41a

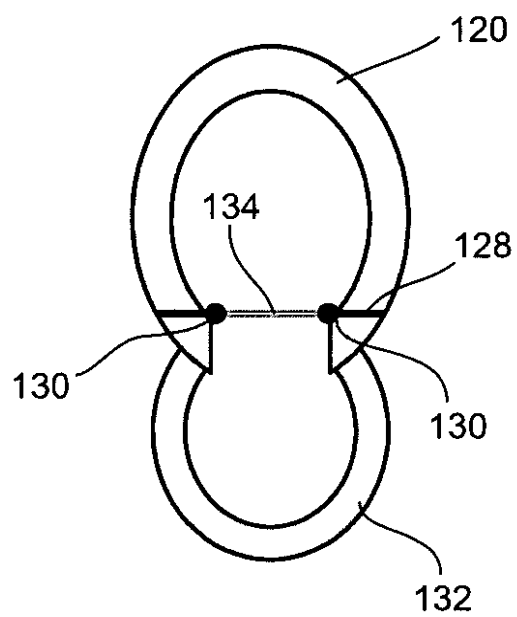


Fig. 41b

